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## AMENDMENTS TO THE CLAIMS

1(Currently amended). Process for the treatment of production crude comprising the following stages:

- (a) separation of the crude into two phases, i.e. gas and degassed emulsion phases, and
- (b) separation of the said degassed emulsion into water and oil, in which stage (b) is implemented without recovery of a flow from the emulsion interface.

2(Original). Process according to claim 1, in which stage (b) comprises the substage (bl) of washing the said emulsion with water at the oil/water interface.

3(Currently amended). Process according to claim 1, in which stage (b) comprises substage (b2) of stripping with gas, preferably an acid gas.

4(Currently amended). Process according to claim 1-or 2, in which stage (b) comprises the substage (b3) of washing the said emulsion with water at the gas/oil interface.

5(Currently amended). Process according to any of claims claim 1 to 3, also comprising a stage (c) of settling the oil originating from stage (b).

6(Original). Process according to claim 1, in which stage (b) includes a settling operation.

7(Currently amended). Process according to any of claims claim 1 to 5, in which stage (b) comprises a stage of passing the degassed emulsion to the bottom of a washing vessel.

8(Currently amended). Process according to claim 7, which comprises using a water leg comprised from 3 to 15 meters, preferably from 4 to 12 meters.

9(Currently amended). Process according to claim 7-or-8, in which the degassed emulsion has a water content from 15 to 35 vol%.

10(Currently amended). Process according to any of claims claim 1 to 8, in which stage (a) comprises a substage (al) of high or medium pressure separation and a stage (a2) of low pressure separation.

11(Currently amended). Process according to any of claims claim 1 to 10, in which stage (a) is implemented at a temperature of between 35 and  $75^{\circ}$ C<sub>7</sub> advantageously between 45 and  $65^{\circ}$ C, especially between 45 and  $50^{\circ}$ C.

12(Currently amended). Process according to any of claims claim 1 to 11, in which the said stage (a) is implemented during a residence time of in less than 10 minutes, preferably of between 3 and 8 minutes.

13(Currently amended). Process according to any of claims claim 1 to 12, in which stage (b) is implemented during a residence in a time of between 4 and 24 hours.

14(Currently amended). Process according to any of claims claim 1 to 13, in which the production crude is a complex crude, preferably a naphthenic crude.

15(Currently amended). Apparatus for the treatment of production crude comprising:

- (a) a unit (102; 108) for separation of the crude into two phases, gas and degassed emulsion phases, and
- (b) a vessel (112) for separating the said degassed emulsion into water and oil, in which the separating tank (112) does not include recovery of a flow from the emulsion interface.

16(Original). Apparatus according to claim 15, in which the vessel (112) comprises a spray or water distribution system (115) for washing the said emulsion with water at the oil/water interface.

17(Original). Apparatus according to claim 16, in which the spray or wash water distribution system (115) comprises a plurality of pipes (121a, 121b, 121c) connected together in the form of a manifold.

18 (Currently amended). Apparatus according to any one of claims claim 15 to 17, also comprising a distributor (116) for stripping gas at the bottom of the vessel (112).

19(Currently amended). Apparatus according to any of claims claim 15 to 18, also comprising a spray or water distribution system (117) for washing the said emulsion with water at the gas/oil interface.

20(Currently amended). Apparatus according to any of claims claim 15 to 19, also comprising a settler (114) downstream from the vessel (112).

21(Original). Apparatus according to claim 15, in which said vessel comprises a settler for settling the degassed emulsion.

22(Currently amended). Apparatus according to any of claims claim 15 to 19, in which said vessel comprises a feed (III) for said degassed emulsion at the bottom of said vessel.

23(Currently amended). Apparatus according to claim 22, which comprises a water leg from 3 to 15 meters, preferably from 4 to 12 meters.

24(Currently amended). Apparatus according to claim 22 or 23, comprising a water make-up device upstream of the feed (111).

25(Currently amended). Apparatus according to any of claims claim 15 to 24, comprising a high or medium pressure separator (102) and a low pressure separator (108).

26(Canceled).

27(Currently amended). Ship or barge comprising the apparatus according to any of claims claim 15 to 26, the separation unit (102; 108) being on the topsides while the vessel (112) or settler is in the hull.

28(Original). Process for the separation of a water-in-oil hydrocarbon emulsion comprising the following stages:

- (i) creation of an oil/water interface,
- (ii) washing the said emulsion with water at the oil/water interface, and
- (iii) recovery of a flow of oil and a flow of water.

29(Original). Process according to claim 28, in which stage (iii) is implemented without recovering a flow from the emulsion interface.

30(Currently amended). Process according to claim 28 or 29, also comprising a stage (iv) of stripping with gas, preferably an acid gas.

31(Currently amended). Process according to any of claims claim 28 to 30, also comprising a stage (v) of washing the said emulsion at the gas/oil interface.

32(Currently amended). Process according to any of claims claim 28 to 31, also comprising a stage (vi) of settling the fluid from stage (iii).

33(Currently amended). Process according to any of claims claim 29 to 32, in which stage (i) comprises a stage of passing the degassed emulsion to the bottom of a washing vessel.

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34(Currently amended). Process according to claim 33, which comprises using a water leg comprised from 3 to 15 meters, preferably from 4 to 12 meters.

35(Currently amended). Process according to claim 33 or 34, in which the degassed emulsion has a water content from 15 to 35 vol%.

36(Original). Process for the separation of a water-in-oil hydrocarbon emulsion comprising the following stages:

- (i) passing the degassed emulsion to the bottom of a washing vessel, and
- (ii) recovery of a flow of oil and a flow of water.

37(Currently amended). Process according to claim 36, which comprises using a water leg comprised from 3 to 15 meters, preferably from 4 to 12 meters.

38(Currently amended). Process according to claim 36 or 37, in which the degassed emulsion has a water content from 15 to 35 vol%.

39(Currently amended). Process according to any of claims claim 36 to 38, in which stage (ii) is implemented without recovering a flow from the emulsion interface.

40(Currently amended). Process according to a any of claims claim 36 to 39, also comprising a stage (vi) of settling the fluid from stage (ii).

41(Original). Apparatus for the separation of a water-in-oil hydrocarbon emulsion comprising a vessel (112) fitted with a spray or water distribution system (115) for washing the said emulsion with water at the oil/water interface.

42(Original). Apparatus according to claim 41, in which the spray or wash water distribution system (115) comprises a plurality of pipes (121a, 121b, 121c) connected together in a manifold arrangement.

43(Currently amended). Apparatus according to claim 41 <del>or 42</del>, also comprising a distributor (116) for stripping gas at the bottom of the vessel (112).

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44(Currently amended). Apparatus according to any of claims claim 41 to 43, also comprising a spray or water distribution system (117) for washing the said emulsion with water at the gas/oil interface.

45(Currently amended). Apparatus according to any of claims claim 41 to 44, also comprising a settler (114) downstream from the vessel (112).

46(Currently amended). Apparatus according to any of claims claim 41 to 45, also comprising a vessel (112) fitted with a feed (111) for said emulsion at the bottom of said vessel.

47(Original). Apparatus for the separation of a water-in-oil hydrocarbon emulsion comprising a vessel (112) fitted with a feed (111) for said emulsion at the bottom of said vessel, and further comprising downstream of said vessel (112) a settler (114).

48(Currently amended). Apparatus according to claim 47, which comprises a water leg from 3 to 15 meters, preferably from 4 to 12 meters.

49(Currently amended). Apparatus according to claim 47-or 48, comprising a water make-up device upstream of the feed (111).

50 - 51 (Canceled).

52(Currently amended). Ship or barge comprising the apparatus according to any of claims claim 41 to 51 in the hull.